

statistical
section

Combined Water and Wastewater Systems

Schedule of Revenues and Expenses – Last Ten Fiscal Years

(in thousands)	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995
<i>OPERATING REVENUES:</i>										
Retail	\$ 295,176	273,710	263,966	269,274	285,791	283,057	276,740	283,447	263,285	244,404
Wholesale	71,501	69,565	73,145	74,386	75,523	76,861	78,233	82,507	72,480	67,294
Other	18,896	18,827	16,996	16,963	18,078	17,834	17,649	16,651	15,293	13,061
Total operating revenues	385,573	362,102	354,107	360,623	379,392	377,752	372,622	382,605	351,058	324,759
<i>OPERATING AND MAINTENANCE EXPENSES:</i>										
Source of supply	5,110	5,248	4,728	4,771	5,015	4,320	4,396	3,757	3,643	4,960
Collection system	14,534	13,193	12,793	12,935	11,075	12,998	17,296	37,040	28,596	21,866
Pumping	26,095	25,785	24,631	22,267	21,680	26,161	33,064	31,979	33,440	33,401
Treatment	89,511	86,991	77,552	73,347	69,169	68,816	66,299	78,605	86,497	83,907
Transmission and distribution	21,452	21,086	19,357	18,229	17,419	16,409	16,656	29,675	24,157	17,492
Customer accounting and service	22,505	19,915	22,083	21,197	17,619	23,813	23,530	25,012	21,313	19,508
General and administrative	53,706	46,173	35,728	27,473	26,914	32,091	30,190	27,845	38,549	37,095
Total operating and maintenance expenses	232,913	218,391	196,872	180,219	168,891	184,608	191,431	233,913	236,195	218,229
Operating income before depreciation	152,660	143,711	157,235	180,404	210,501	193,144	181,191	148,692	114,863	106,530
DEPRECIATION	122,800	117,780	114,642	109,270	94,489	89,025	68,170	65,703	57,185	49,779
Operating income	29,860	25,931	42,593	71,134	116,012	104,119	113,021	82,989	57,678	56,751
<i>NON-OPERATING REVENUES (EXPENSES):</i>										
Interest income	8,785	26,153	32,820	60,233	57,917	43,967	45,466	41,867	32,341	23,784
Interest expense	(73,652)	(76,349)	(80,722)	(83,165)	(83,151)	(75,815)	(65,118)	(55,638)	(38,156)	(34,234)
Other income	326	2,330	1,480	1,511	1,120	1,901	554	694	541	589
Transfers to County's General Fund	(37,899)	(39,996)	(33,035)	(25,547)	(24,788)	(25,849)	(31,471)	(18,319)	-	-
Income (loss) before contributions	(72,580)	(61,931)	(36,864)	24,166	67,110	48,323	62,452	51,593	52,404	46,890
Capital contributions	42,936	47,500	57,177	47,574	-	-	-	-	-	-
Increase (decrease) in net assets	\$ (29,644)	(14,431)	20,313	71,740	67,110	48,323	62,452	51,593	52,404	46,890

Water System

Schedule of Revenues and Expenses – Last Ten Fiscal Years

(in thousands)	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995
<i>OPERATING REVENUES:</i>										
Retail	\$ 137,739	124,409	121,632	124,473	133,766	133,775	129,481	133,559	122,528	116,080
Wholesale	22,122	20,045	20,236	20,311	23,012	22,623	22,249	20,217	21,392	22,564
Other	10,230	10,302	9,227	9,525	10,068	9,436	9,313	8,950	7,952	6,617
Total operating revenues	170,091	154,756	151,095	154,309	166,846	165,834	161,043	162,726	151,872	145,261
<i>OPERATING AND MAINTENANCE EXPENSES:</i>										
Source of supply	5,110	5,248	4,728	4,771	5,015	4,320	4,396	3,757	3,643	4,960
Pumping	2,257	2,670	1,803	1,558	1,532	1,630	1,471	1,596	2,003	2,758
Treatment	40,660	38,412	34,466	32,640	29,700	29,865	28,802	35,611	35,262	33,351
Transmission and distribution	21,452	21,086	19,357	18,229	17,419	16,409	16,656	29,675	24,157	17,492
Customer accounting and service	12,546	12,135	12,578	12,431	10,024	13,235	13,055	14,006	12,031	10,774
General and administrative	20,349	15,183	11,412	9,430	10,227	12,239	11,800	10,227	13,295	12,864
Total operating and maintenance expenses	102,374	94,734	84,344	79,059	73,917	77,698	76,180	94,872	90,391	82,199
Operating income before depreciation	67,717	60,022	66,751	75,250	92,929	88,136	84,863	67,854	61,481	63,062
DEPRECIATION	34,251	32,371	32,347	30,916	21,851	22,520	14,796	17,660	16,740	15,408
Operating income	33,466	27,651	34,404	44,334	71,078	65,616	70,067	50,194	44,741	47,654
<i>NON-OPERATING REVENUES (EXPENSES):</i>										
Interest income	4,016	13,027	16,943	32,560	28,965	20,136	20,742	16,764	14,862	11,733
Interest expense	(19,657)	(21,039)	(21,397)	(21,240)	(22,869)	(18,324)	(18,774)	(18,260)	(17,456)	(16,823)
Other income	326	2,330	1,447	916	710	1,235	554	697	541	589
Transfers to County's General Fund	(11,865)	(13,146)	(10,855)	(8,235)	(9,419)	(9,823)	(12,274)	(6,778)	-	-
Income before contributions and transfers	6,286	8,823	20,542	48,335	68,465	58,840	60,315	42,617	42,688	43,153
Capital contributions	14,245	17,726	21,168	15,199	-	-	-	-	-	-
Transfer (from) to reserves	(32,305)	(40,272)	(18,414)	(15,432)	6,134	16,622	(26,765)	9,164	(6,418)	(4,865)
Increase (decrease) in net assets	\$ (11,774)	(13,723)	23,296	48,102	74,599	75,462	33,550	51,781	36,270	38,288

Wastewater System

Schedule of Revenues and Expenses – Last Ten Fiscal Years

(in thousands)	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995
<i>OPERATING REVENUES:</i>										
Retail	\$ 157,437	149,301	142,334	144,801	152,025	149,282	147,259	149,888	140,757	128,324
Wholesale	49,379	49,520	52,909	54,075	52,511	54,238	55,984	62,290	51,088	44,730
Other	8,666	8,525	7,769	7,438	8,010	8,398	8,336	7,701	7,341	6,444
Total operating revenues	215,482	207,346	203,012	206,314	212,546	211,918	211,579	219,879	199,186	179,498
<i>OPERATING AND MAINTENANCE EXPENSES:</i>										
Collection system	14,534	13,193	12,793	12,935	11,075	12,998	17,296	37,040	28,596	21,866
Pumping	23,838	23,115	22,828	20,709	20,148	24,531	31,593	30,383	31,437	30,643
Treatment	48,851	48,579	43,086	40,707	39,469	38,951	37,497	42,994	51,235	50,556
Customer accounting and service	9,959	7,780	9,505	8,766	7,595	10,578	10,475	11,006	9,282	8,734
General and administrative	33,357	30,990	24,316	18,043	16,687	19,852	18,390	17,618	25,254	24,231
Total operating and maintenance expenses	130,539	123,657	112,528	101,160	94,974	106,910	115,251	139,041	145,804	136,030
Operating income before depreciation	84,943	83,689	90,484	105,154	117,572	105,008	96,328	80,838	53,382	43,468
DEPRECIATION	88,549	85,409	82,295	78,354	72,638	66,505	53,374	48,043	40,445	34,371
Operating income (loss)	(3,606)	(1,720)	8,189	26,800	44,934	38,503	42,954	32,795	12,937	9,097
<i>NON-OPERATING REVENUES (EXPENSES):</i>										
Interest income	4,769	13,126	15,877	27,673	28,952	23,831	24,724	25,103	17,479	12,051
Interest expense	(53,995)	(55,310)	(59,325)	(61,925)	(60,282)	(57,491)	(46,344)	(37,378)	(20,700)	(17,411)
Other income (loss)	-	-	33	595	410	666	-	(3)	-	-
Transfers to County's General Fund	(26,034)	(26,850)	(22,180)	(17,312)	(15,369)	(16,026)	(19,197)	(11,541)	-	-
Income (loss) before contributions and transfers	(78,866)	(70,754)	(57,406)	(24,169)	(1,355)	(10,517)	2,137	8,976	9,716	3,737
Capital contributions	28,691	29,774	36,009	32,375	-	-	-	-	-	-
Transfer (from) to reserves	32,305	40,272	18,414	15,432	(6,134)	(16,622)	26,765	(9,164)	6,418	4,865
Increase (decrease) in net assets	\$ (17,870)	(708)	(2,983)	23,638	(7,489)	(27,139)	28,902	(188)	16,134	8,602

Debt Service Coverage

Last Ten Fiscal Years

(in thousands)	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995
<i>PRIMARY DEBT SERVICE COVERAGE</i>										
Net operating revenues	\$ 152,660	143,711	157,235	180,404	210,501	193,144	181,191	148,692	114,863	106,530
Investment earnings ⁽¹⁾	3,489	18,923	19,337	38,989	31,489	23,678	24,232	19,869	15,535	14,640
Net transfers from (to) Rate Stabilization Fund	23,136	48,941	22,640	(16,000)	(12,000)	(37,000)	4,588	(17,254)	(3,620)	3,937
Net revenues available for debt service	\$ 179,285	211,575	199,212	203,393	229,990	179,822	210,011	151,307	126,778	125,107
Debt service requirements ⁽²⁾	\$ 114,196	115,629	115,654	115,632	114,976	102,501	99,802	81,781	70,518	62,837
Actual coverage	1.57	1.83	1.72	1.76	2.00	1.75	2.10	1.85	1.80	1.99
Required coverage	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
<i>SUBORDINATE DEBT SERVICE COVERAGE</i>										
Net revenues available for debt service	\$ 179,285	211,575	199,212	203,393	229,990	179,822	210,011	151,307	126,778	125,107
Less: Maximum principal and interest ⁽³⁾	115,272	115,629	115,654	115,653	115,654	115,654	108,184	108,184	79,444	62,837
Adjusted net revenues	\$ 64,013	95,946	83,558	87,740	114,336	64,168	101,827	43,123	47,334	62,270
Debt service and reserve requirements ⁽⁴⁾	\$ 14,053	15,348	13,129	11,641	10,349	9,997	8,717	8,152	6,033	5,736
Actual coverage	4.56	6.25	6.36	7.54	11.05	6.42	11.68	5.29	7.85	10.86
Required coverage	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
<i>STATE REVOLVING FUND LOANS DEBT SERVICE COVERAGE</i>										
Net revenues available for debt service	\$ 179,285	211,575	199,212	203,393	229,990	179,822	210,011	151,307	126,778	125,107
Less: revenue required for primary debt service coverage ⁽⁵⁾	125,615	127,192	127,219	127,195	126,473	112,751	108,184	108,184	79,444	62,837
Adjusted net revenues	\$ 53,670	84,383	71,993	76,198	103,517	67,071	101,827	43,123	47,334	62,270
Debt service requirements ⁽⁶⁾	\$ 13,966	14,870	12,417	10,782	10,252	9,490	8,717	8,152	6,033	5,736
Actual coverage	3.84	5.67	5.80	7.07	10.10	7.07	11.68	5.29	7.85	10.86
Required coverage	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15

⁽¹⁾ Excludes interest income from Construction Fund.

⁽²⁾ Represents debt service requirements on outstanding Bonds for such fiscal year.

⁽³⁾ Maximum principal and interest requirements on the Bonds for such fiscal year.

⁽⁴⁾ Represents debt service and reserve requirements on subordinate obligations.

⁽⁵⁾ Represents 110% of primary debt service requirements.

⁽⁶⁾ Represents debt service requirements on outstanding State Revolving Fund Loans for such fiscal year.

Water Usage

Last Ten Fiscal Years

(millions of gallons)	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995
<i>WATER PUMPED:</i>										
Water treatment plants:										
Alexander Orr, Jr.	64,546	61,774	59,953	60,187	61,603	61,074	61,636	62,308	62,071	60,342
John E. Preston	29,715	28,453	29,631	27,939	33,207	33,507	32,414	32,675	33,322	34,884
Hialeah	27,555	30,204	27,238	26,317	26,016	26,000	25,920	25,471	25,458	24,589
Interim plants	2,433	2,483	2,484	2,406	2,439	2,429	2,222	2,116	2,165	2,284
Purchased water	2,000	2,340	2,026	2,136	2,233	2,057	1,972	1,954	2,120	2,164
Total water pumped	126,249	125,254	121,332	118,985	125,498	125,067	124,164	124,524	125,136	124,263
<i>WATER SOLD:</i>										
Wholesale:										
Miami Beach	7,994	7,802	7,456	7,853	8,714	8,102	7,901	8,404	8,612	8,923
Hialeah	7,730	8,454	8,742	8,384	8,950	8,931	8,989	9,124	9,734	9,997
North Miami Beach	4,652	4,450	4,411	4,350	5,368	5,232	5,232	4,970	5,230	5,444
North Miami	1,602	1,536	1,612	1,862	1,917	2,096	1,890	2,117	2,510	2,405
Miami Springs	1,016	906	918	852	918	953	882	863	943	981
Opa-Locka	960	954	1,001	1,030	1,206	1,214	1,253	1,276	1,359	1,377
Hialeah Gardens	655	619	687	741	669	590	690	614	146	-
Medley	577	506	434	441	528	630	430	399	492	472
Bal Harbour	552	564	542	522	596	592	550	555	545	511
Bay Harbor Islands	435	415	405	351	382	375	382	371	382	386
North Bay Village	375	356	452	450	471	480	475	477	474	480
Surfside	369	349	336	328	341	342	348	353	358	350
West Miami	283	286	292	280	285	267	243	327	343	318
Indian Creek Village	156	138	138	131	156	158	165	151	156	136
Virginia Gardens	10	14	8	10	11	55	105	101	113	105
Total wholesale	27,366	27,349	27,434	27,585	30,512	30,017	29,535	30,102	31,397	31,885
Retail	70,033	71,891	68,679	64,383	68,541	67,454	66,560	66,935	67,514	67,656
Total water sold	97,399	99,240	96,113	91,968	99,053	97,471	96,095	97,037	98,911	99,541
Non - account water	28,483	26,013	25,219	27,017	26,445	27,596	28,069	27,487	26,225	24,722
Non - account water as a percentage of total water pumped	22.56%	20.77%	20.79%	22.71%	21.07%	22.06%	22.61%	22.07%	20.96%	19.89%
Unaccounted for water as a percentage of total water pumped	11.76%	6.41%	7.09%	8.71%	6.41%	11.02%	8.86%	8.93%	8.57%	7.65%

Wastewater Treatment

Last Ten Fiscal Years

(millions of gallons)	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995
<i>WASTEWATER PLANT FLOWS:</i>										
North District Plant	31,105	33,679	35,970	36,463	34,988	36,468	35,042	37,594	35,679	35,693
Central District Plant	41,968	39,847	44,581	44,061	44,858	44,017	46,766	45,741	47,403	51,038
South District Plant	30,409	34,446	35,149	33,479	32,398	33,041	29,817	34,536	33,346	32,598
Total wastewater plant flows	103,482	107,972	115,700	114,003	112,244	113,526	111,625	117,871	116,428	119,329
<i>WASTEWATER TREATED:</i>										
Wholesale:										
Hialeah	10,342	9,247	10,328	10,825	11,074	11,430	13,438	15,988	13,906	13,954
Miami Beach	7,862	8,906	9,301	8,942	9,361	9,675	9,196	10,076	9,697	10,465
North Miami	3,885	4,025	4,116	4,032	4,071	4,057	3,608	4,184	3,521	4,007
Coral Gables	2,503	2,724	2,537	2,031	1,844	2,370	1,991	1,969	1,605	1,716
Miami Springs	1,010	998	1,205	1,477	1,328	1,030	1,480	1,799	1,396	1,431
North Miami Beach	888	994	1,125	1,141	1,208	1,171	1,194	1,350	1,475	1,581
Medley	862	742	628	469	514	536	469	418	541	529
Opa-Locka	711	706	1,101	2,287	1,135	1,204	1,267	1,382	829	1,063
Florida City	416	376	367	317	255	216	173	115	113	112
Homestead Air Force Base ⁽¹⁾	357	209	197	280	241	188	-	-	382	539
Hialeah Gardens	144	443	197	94	137	166	147	154	123	79
West Miami	138	177	188	198	187	189	194	188	165	146
Homestead	17	39	97	5	1	237	440	600	689	842
Total wholesale	29,135	29,586	31,387	32,098	31,356	32,469	33,597	38,223	34,442	36,464
Retail	51,682	52,757	50,619	45,862	47,862	50,445	51,440	51,071	51,209	51,155
Unaccounted for wastewater	22,665	25,629	33,694	36,043	33,026	30,612	26,588	28,577	30,777	31,710
Total wastewater treated	103,482	107,972	115,700	114,003	112,244	113,526	111,625	117,871	116,428	119,329
Unaccounted for wastewater as a percentage of total wastewater treated	21.90%	23.74%	29.12%	31.62%	29.42%	26.96%	23.82%	24.24%	26.43%	26.57%
ANNUAL RAINFALL (inches): ⁽²⁾	60.0	68.1	73.1	79.7	54.4	59.0	66.7	71.7	59.2	89.4

⁽¹⁾ Classified as retail customer in fiscal years 1996 through 1999.

⁽²⁾ Source: National Weather Service Forecast Office in Miami for rainfall recorded in inches at Miami International Airport.

Customer Statistics

**Number of Customers
at Fiscal Year-End
Last Ten Fiscal Years**

<u>Year</u>	<u>Number of Customers</u>		Ratio of Wastewater Customers to Water Customers
	<u>Water</u>	<u>Wastewater</u>	
1995	345,249	255,724	74.1 %
1996	353,526	263,649	74.6
1997	359,559	270,639	75.3
1998	364,957	273,576	75.0
1999	369,924	280,594	75.9
2000	372,973	283,656	76.1
2001	388,169	294,000	75.7
2002	398,073	306,061	76.9
2003	408,172	315,180	77.2
2004	401,181	316,170	78.8

**Largest System Customers
October 2003 - September 2004**

<u>Name</u>	<u>Dollar Amount (in thousands)</u>	<u>Percent of System Gross Revenues</u>
<i>WATER SYSTEM:</i>		
City of Miami Beach	\$6,614	3.9 %
City of Hialeah	5,565	3.3
City of North Miami Beach	3,954	2.3
Dade County Aviation	1,812	1.1
City of North Miami	1,384	0.8
City of Opa-Locka	816	0.5
Florida Power & Light Company	802	0.5
City of Miami Springs	731	0.4
Hialeah Gardens	557	0.3
Bal Harbour	470	0.3
<i>WASTEWATER SYSTEM:</i>		
City of Hialeah	\$17,657	8.2 %
City of Miami Beach	13,364	6.2
City of North Miami	6,625	3.1
City of Coral Gables	4,230	2.0
City of Miami Springs	1,746	0.8
City of North Miami Beach	1,521	0.7
City of Medley	1,441	0.7
City of Opa-Locka	1,201	0.6
Dade County Aviation	1,067	0.5
City of Florida City	611	0.3

Insurance in Force

<u>Type of Coverage and Insurance Company</u>	<u>Policy Number / Policy Period</u>	<u>Details of Coverage</u>	<u>Limits of Liability</u>
Public Employees Blanket Bond: Fidelity & Deposit Co. of Maryland	CCP001342109 / 08/19/04 - 08/19/05	Employee dishonesty	\$1,000,000 blanket bond \$50,000 deductible
Money and Securities: Fidelity & Deposit Co. of Maryland	CCP001936108 / 11/25/03 - 11/25/04	Loss inside premises Loss outside premises Forgery or alteration	Various \$250 deductible Various \$250 deductible \$100,000
Accidental Death: Hartford Life Insurance Co.	ETB-105355 / 08/29/04 - 08/29/05	Accidental death and dismemberment	\$25,000
Property Insurance: Various	Various 10/31/03 - 10/31/04	“All risk” coverage on real and personal property and outfalls	Various
Automobile Liability:	N/A / continuous	Self-insured	\$100,000 per person/ \$200,000 per occurrence pursuant to F.S. 768.28
General Liability:	N/A / continuous	Self-insured	\$100,000 per person/ \$200,000 per occurrence pursuant to F.S. 768.28
Workers' Compensation: Miami-Dade County Self- Insurance Fund	N/A / continuous	Self-insured	Statutory coverage pursuant to F.S. 440

Miscellaneous Statistics

Population
Miami-Dade County, Florida
Selected Years
1900-2004

<u>Year</u>	<u>Resident Population</u>	<u>Increase (Decrease)</u>	<u>Annual Percent Change</u>
1900	4,955	-	-
1910	11,933	6,978	9.2 %
1920	42,752	30,819	13.6
1930	142,955	100,203	12.8
1940	267,739	124,784	6.5
1950	495,084	227,345	6.3
1960	935,047	439,963	6.5
1970	1,267,792	332,745	3.1
1980	1,625,781	357,989	2.5
1990	1,967,000	341,219	1.9
2000	2,253,485	286,485	1.4
2001	2,283,319	29,834	1.3
2002	2,313,047	29,728	1.3
2003	2,342,739	29,692	1.3
2004	2,372,418	29,679	1.3

Source: U.S. Bureau of the Census figures 1900-2000; Planning Research Section,
 Miami-Dade County Department of Planning and Zoning estimates for other years.

Miscellaneous Statistics

**Number of Building Permits Issued for Housekeeping Units
and Value of Permits for Housekeeping and Total Units
Miami-Dade County, Florida
1994-2003**

Calendar Year	<u>Number of Permits Issued</u>		Value of Permits Issued
	Single Family <u>Houses</u>	Multi-family <u>Buildings</u>	Residential Construction (in thousands)
1994	6,079	5,231	822,129
1995	7,364	7,425	1,213,966
1996	3,802	2,749	540,183
1997	5,146	4,592	817,140
1998	5,354	5,556	921,813
1999	6,669	7,018	1,064,119
2000	5,988	6,477	1,198,164
2001	6,829	7,168	1,291,357
2002	6,374	8,219	1,313,869
2003	8,741	6,473	1,606,782

Source: University of Florida, Bureau of Economic and Business Research,
Building Permit Activity in Florida.

Miscellaneous Statistics

Construction Activity
Miami-Dade County, Florida
1995-2004

Fiscal Year	Commercial Construction		Residential Construction	
	Number of Buildings	Value (in thousands)	Number of Units	Value (in thousands)
1995	670	334,560	19,366	983,376
1996	698	299,347	6,629	455,715
1997	596	325,797	10,422	643,489
1998	495	442,924	8,597	679,105
1999	600	489,353	9,998	781,734
2000	601	513,457	8,360	687,205
2001	525	616,442	9,882	845,123
2002	498	722,077	8,805	751,960
2003	397	697,100	9,373	819,753
2004	794	359,033	9,603	982,420

Source: Miami-Dade County Building Department. Includes only Unincorporated Area.

**Miami-Dade
Water and Sewer
Department**

A Department of
Miami-Dade County, Florida

3071 S.W. 38 Avenue
Miami, Florida 33146
305-665-7471



Delivering Excellence Every Day

Miami-Dade County provides equal access and equal opportunity in employment and services and does not discriminate on the basis of disability. It is the policy of miami-dade county to comply with all the requirements of the americans with disabilities act.

Printed on recycled paper.